

Where to begin ... well ... I suppose the first thing to consider in drowing a character is it's CONSTRUCTION. The character

nust be constructed out of bosic shapes -

That is to 524 \$3 Dimensional Shapes, spheres



AND CYLINDERS



Not 2 Dimensional shopes such as







ARE you able to draw the basic shapes so that they look 3 amensional - and Not 2D?

IF SO ... YOU ARE READY TO MOVE ON

Page 2 US the Bosic Shapes STRETCH 'EMP BEND EM? TWIST EM! SQUASH EM! IT'S BETTER IF YOU HAVE SOMETHING TO SQUEH EM AGAINST! SO ADD A TOUCH O'S HARDOW! PLOT A Series OF ARCS FOR IT TO FOLLOW ...



And bounce the ball ALONG +!



· Note

WHERE THE BRILL IS SQUASHED AT THE BOTTOM OF EACH ARC
WHERE IT COMES TO A SUPDEN HALT UPON MEETING WITH EARTH
THEN - THE BALL IMMEDIATELY POPS TO A STRETCH AS IT'S
RUBBERY COMPOSITION PROPELS IT RAPIDLY TO THE TOP OF THE

FX LINES?
NEXT ARC.

OF LINES?

BUT HOLD!! HERE IS WHERE GRAVETY

DOES IT'S THING! THE BALL

MEETS THIS FORCE AND SLOWS

IN IT'S ASSENT-BEING PUSHED

BACK TWO CARTH FOR ANOTHER

SQUASH!! HELL HELL

THIS IS WHY YOU SHOULD SLOW OUT OF THE PORS OF THE ARCS!



REMEMBER

Page 4

IF YOUR BALL IS MADE OF <u>RUBBER</u>,
IF WILL HAVE ELISTICITY, AND WILL
FOURTH UNIFORMLY OR ECIPTICALLY



IF YOU FLATTEN IT ON THE BOTTOM, IT WILL LOOK LIKE A SORRY, SQUASHED MEATBALL

No REASON TO SOUNCE!

A TOUCH O'S HAPOW!

So, After you've GOT THAT DOWN, TRY ANIMATING IT IN PERSPECTIVE!

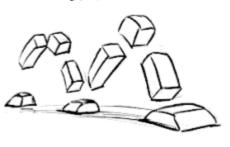
Plot a series OF ARCS GROWING EITHER BIGGER TWO. CAMERA

OR SMALLER AWAY FROM CAMERA



BY THE WAY,
YOU CAN USE A
SHAROW TO SHOW THE
BALL'S RELATIONSHIP
TO THE FORTH
TO THEOLOGICAL
TO THEOLOGICAL
TO THEOLOGICAL
TO THEOLOGICAL
TO THEOLOGICAL
TO THEOLOGICAL
THEOLO

After that, the it with the other basic shares, The Box and the cylinder - involve they're more outto Rubbah! OR EVEN THAT THEY MAY BE ALIVE! HAVE SOME FUN!



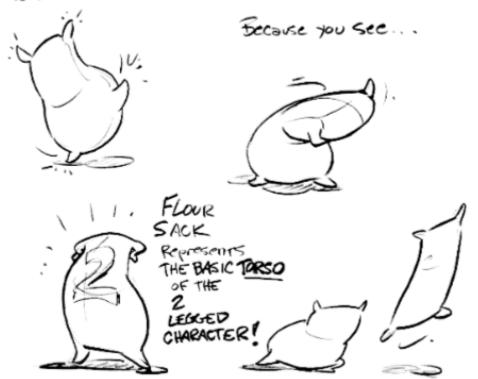


Page (5)

PICE YOU'VE MISTERED MANIPULATING THE BISIC SHOPES,
YOU'RE READY TO START CONSTRUCTING A CHARACTER?
LET'S MIKE A MELD OF TWO BOSIC SHAPES,



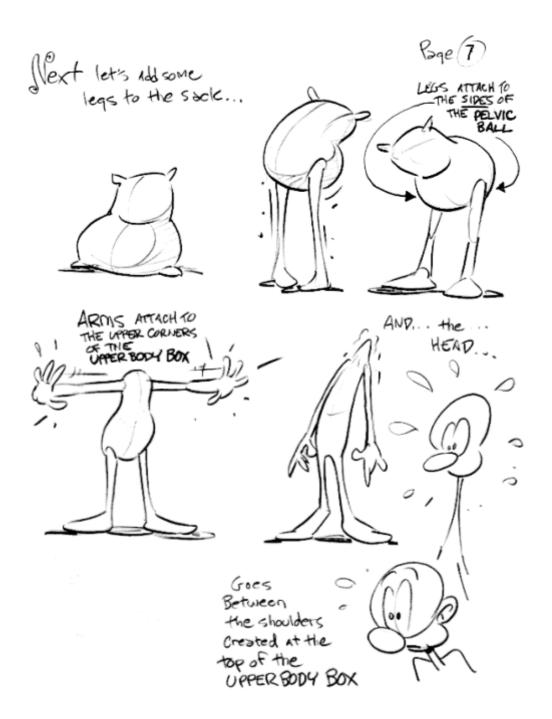
Let's gust give the sack some nubs at the corners, to act as arms and legs ...

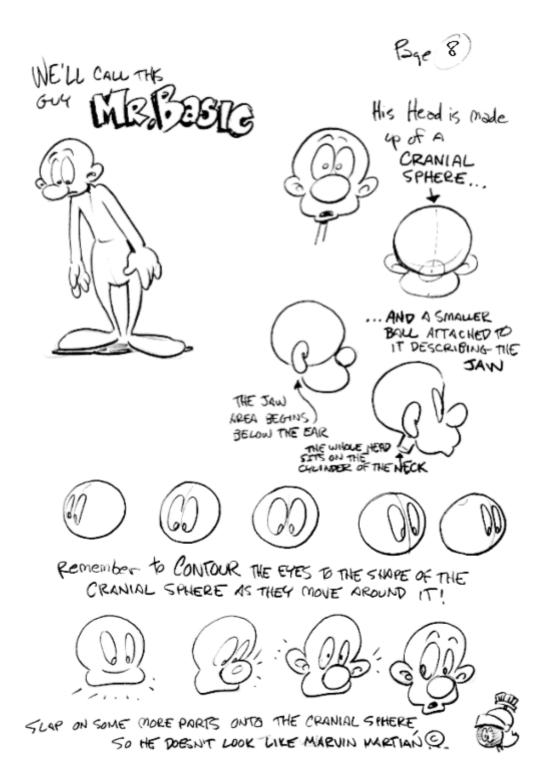


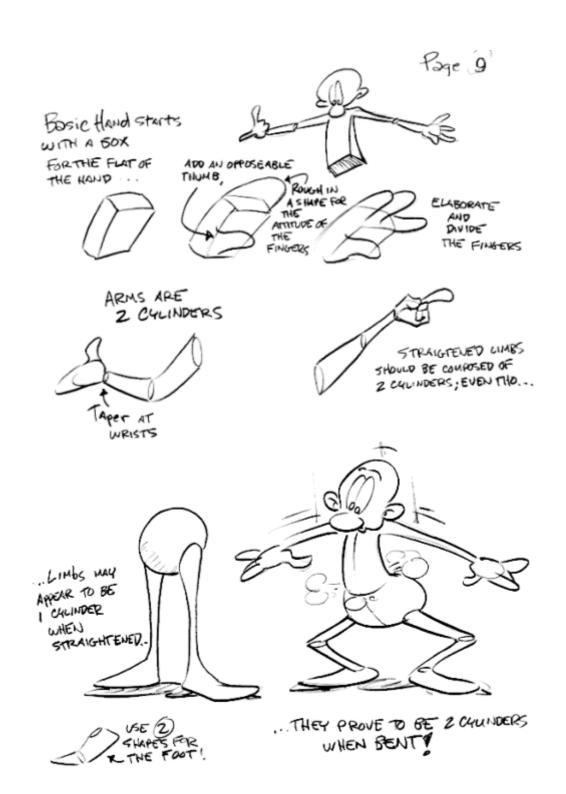
Play with him and see what you can make him do!



Try to keep four back shapes loose and 'organic's FLOUR SACK has A life of his own.



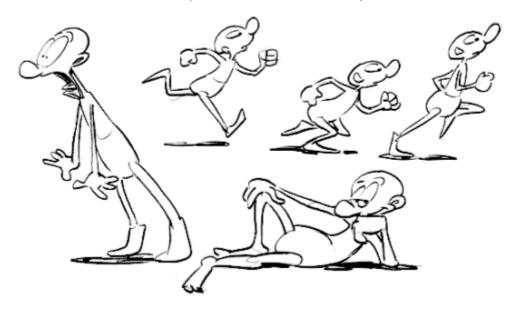


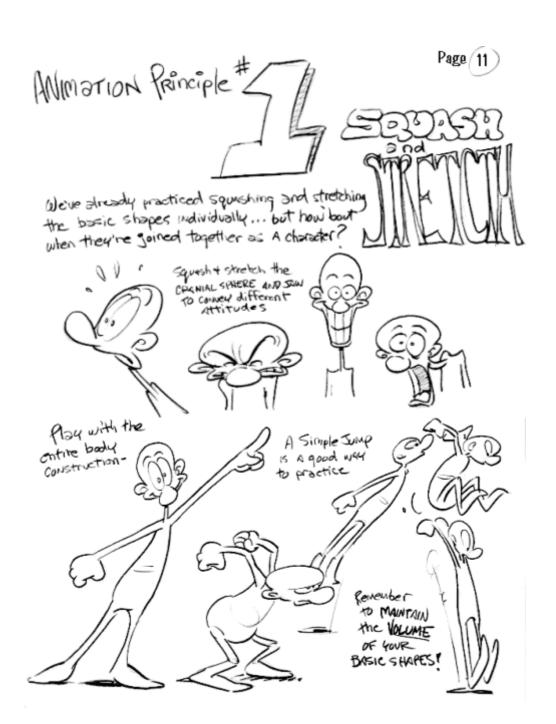


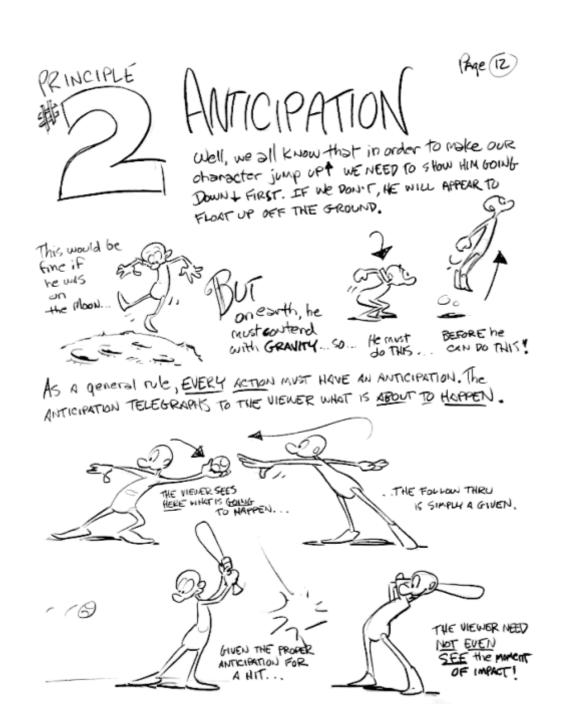
IN the Next few pages he will take you through the basic principles of Animation



Practice drawing him in different poses







The Story, the Most important element of ANY NARRATIVE Page (

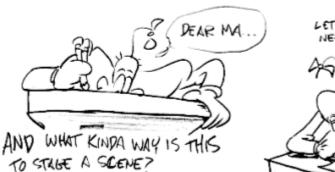
the Story, the most important element of ANY MARRATIVE entertainment Must BE TOND CLEARLY, but since we don't have a story yet, Lets Just say we should show what our character is doing clearly enough so the action

ative Page (3) we show eaction

Can READ.
FOR INSTANCE,
WHO CAN
TELL
WHAT THIS
GUY'S
DOING?

TURN him AROUND AND THE AMEMER IS OBVIOUS! HE'S STRAIGHTENING HIS THE!

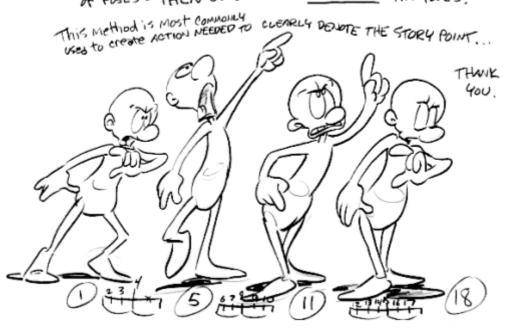
It is sold that every drawing in a scene should clearly define what is going on, so plot everything out and be sure the viewer is given all the information he/she needs



LET'S GET EVERYTHING WE NEED TO SEE INTO VIEW!



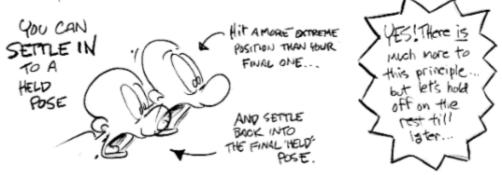
Pose to Pose MEGNS YOU PLOT OUT THE ACTION IN A SERIES OF PUSES - THEN GO BACK AND INBETWEEN THE POSES!



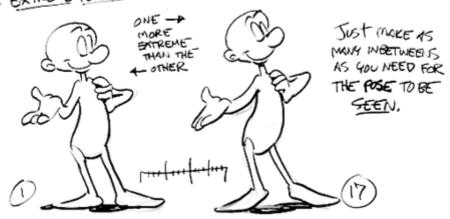


These are simply wells of Keeping your character "alive"
Nothing will remind a viewer that he is watching drawings like having those drawings pop to a sudden stop. Yet, some poses need to be seen long enough for the viewer to register them.

There are a few ways to deal with this covundrum ...



YOUR 2 EXTRONE POSITIONS WILL BE ESSENTIALLY THE SAME POSE.



PRINCIPLE

The stready mentioned slowing out of the tops of our arcs when we were bouncing our balls...

Them. our Atteres back on page ?...

As a general rule: Action will usually tend to slow out of the tops and bottoms of an arc, or what are usually the extreme poses in your action.

4 A hore for a slow in a page 18

A hore for a slow in to settle into a new usually use a slow in to settle into a new or would usually use a slow in to settle into a new poses... but remember, in animation

Mechanical motion theory states

Matallians I is

Mechanical motion theory states

that any object thanking in one
direction must avercome inertia

IN DEDET TO
CHANGE TO
TRASSICTORY.

HENCE. SLOW OUT

of YOUR EXTREMES!

Secret Number

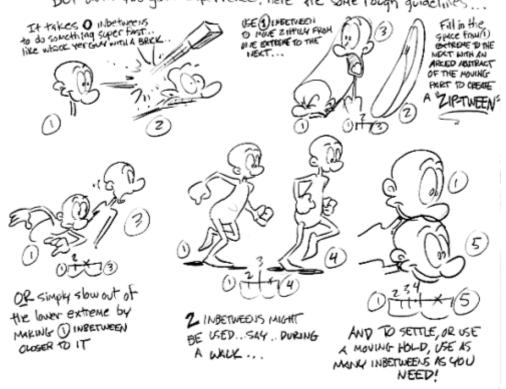
AND HEY, if you intertucen everything evenly like this + 10 22 47 5 it might end up Moving like BAD CGI animation!



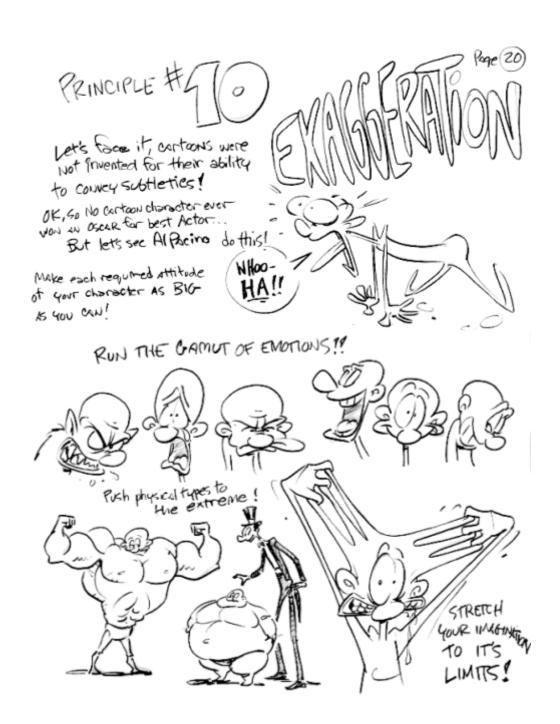


The MORE INDETWEEN YOU PUT BETWEEN YOUR EXTREMES-THE WHERE YOUR ACTION WILL BE DRAWN OUT. SO HOW DO YOU FIGURE OUT HOW WANT TO MAKE YOUR ACTIONS? THE ONLY TRUE ANXWER TO THAT IS: "EXPERIENCE"

BUT UNTIL YOU goin experience, here are some rough guidelines...









Again... always remember to Construct your characters using basic shapes. This, if done correctly, will give your character the look of being 3 pimersional.

ANY character animated in the traditional classical way will have a construction FORMULA that he/she/it can be broken down to. Whether squashed, stretched, twisted, tapered, or bloated they are all basic 3 Dimensional shapes. You just have to connect them and move them around in the right way!

ONE THING IS CERTAIN: The higher your level of basic drawing Skills - the more suited you will be











Capture the movement of the Floure in a natural or requistic way. This can be acconfushed thru roto-scoping, but this process robsthe animation of the Spark of life that a talented animator. Can give. A proven method of creating naturalistic movement in a character is LNE ACTION REFERENCE, culled from Film or video-tape, viewed frame by Frame, and Drawn.

This technique can be used by ANYONE WHO HAS A SOLID GRASP OF THE CONSTRUCTION OF THE FIGURE.



LEGGED CHARACTERS,

Page 26

Ancient Animators have discovered, that in a 2 legged character, bodily movement usually begins ATTHE CENTER OF GRAVITY, OR PELVIC REGION ... SOTHAT IS WHAT WE WILL START ON

THE BELVIC CHANNER

* THE 9 OLD MEN" OF LOVE

A MALE
HUMAN'S
PELVIC CYLINDER
IS FAIRLY
STRAIGHT



IN A FEMALE
THE CYLINDER
TENDS TO WIDEN
AT THE BASE(HIP)
AND TAPER AT
THE TOP (WAIST)

THE UPPERSONT BOX

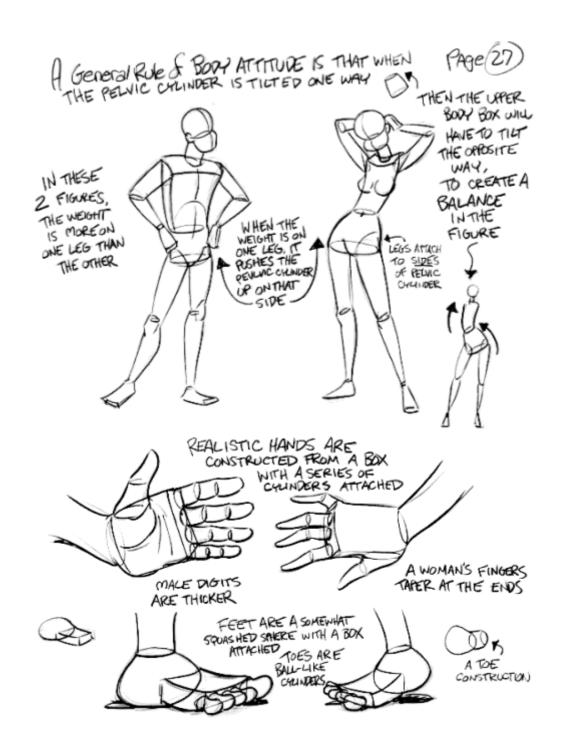
A MAN'S
UPPERBOAN
BOX TENDS
TO BE
DOMINANT
OVER THE
PELVIC CYLINDER



IN A WOMAN'S BODY, THE PELVIC CYLINDER IS USUALLY THE DOMINANT SHAPE



A WOMAN'S CENTER OF GRANTY IS SUGHTLY LOWER THAN A MAN'S. VINE LA DIFFERENCE?





DIK Kids! Let's try working from some live reference!

Page 29



Let's say one subject is the lavely lady pictured here. We would start by 45king ourselves, "Which way is her pelvic cychinder ANGLED?

walf, yes! it is angled slightly to the right! Next, let's draw the upper body box



NOTE THE DYNAMICS!

Her weight is on her right leg, which is why the pelvis is angled that way. Connect it to the cylinder and draw it straight to the ground. The other leg is relaxed.

Finally, add all fine detail, shading, costuming and accessories



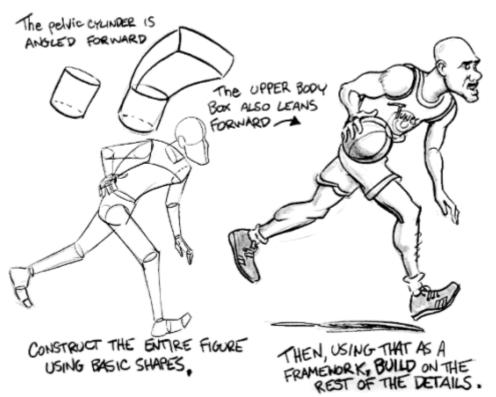
CONNECT THE BASIC SHAPES THAT
FORM THE REST OF THE FIGURE ... THEN BUILD ON THEM!

The final should not be A literal rendering.
But a stylization Adaptable to antimation

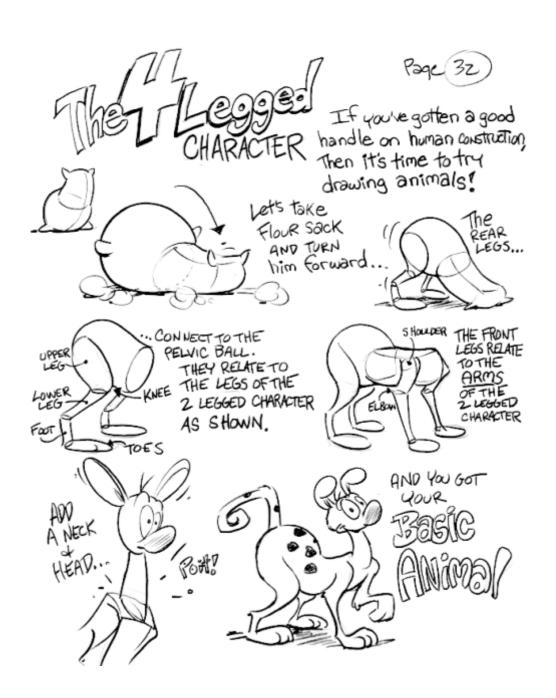
(hhh, But there's more to life drawing than scantily clad babes! How about a male figure in an action pose? Here much of the body is covered up by loose clothing, and the pelvic crimder is partially obscured by a prop.

USING BASIC SHAPES.

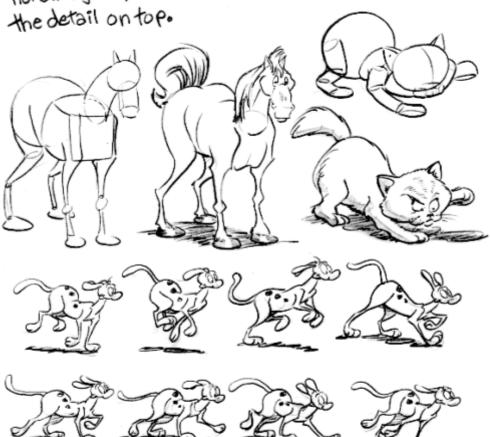
Page (30) YOU MUST LEARN TO the obstructions with your "minds eye" to the Basic Shapes of the







Practice drawing animals. Begin as with the human figure, with basic construction, and build



As with human action, footage of animal movement can be used as reference. Try re-creating a horse's run, or a dog's trot from video reference if you have the equipment to do so.

Go its you set sail into the sea of animation, just remember ... there are zillions of things to animate, and as many ways to animate them! You, as a character animator, are an actor... and a giver of life! When your characters come alive, the viewer will forget that they are watching drawings, and experience what its like to be...

